

## 15. How to simplify fractions



### Scenario Questions:

1. A box contains 15 chocolates and you want to divide them equally among 25 friends. What fraction of a chocolate will each friend receive? Simplify the fraction.

2. There are 20 apples in a basket and you want to distribute them equally among 30 students. What fraction of an apple will each student receive? Simplify the fraction.

3. A bag contains 18 marbles and you want to share them equally among 36 children. What fraction of a marble will each child receive? Simplify the fraction.

4. A recipe requires 15 cups of milk, but you only have 10 cups. What fraction of the recipe can you make with the available milk? Simplify the fraction.

5. There are 24 pencils in a box and you want to distribute them equally among 48 students. What fraction of a pencil will each student receive? Simplify the fraction.

## 15. How to simplify fractions



### Scenario Questions:

6. A group of friends shared 30 cookies equally among 50 people. What fraction of a cookie did each person receive? Simplify the fraction.

7. A jar contains 16 blue marbles and a total of 24 marbles. What fraction of the marbles are blue? Simplify the fraction.

8. A cake recipe calls for 12 ounces of sugar, but you only have 18 ounces. What fraction of the recipe can you make with the available sugar? Simplify the fraction.

9. There are 28 books on a shelf and you want to divide them equally among 56 students. What fraction of a book will each student receive? Simplify the fraction.

10. A group of friends shared 8 bags of chips equally among 12 people. What fraction of a bag of chips did each person receive? Simplify the fraction.

# 15. How to simplify fractions



## Scenario Questions: **Answers**

1. A box contains 15 chocolates and you want to divide them equally among 25 friends. What fraction of a chocolate will each friend receive? Simplify the fraction.

**1.  $\frac{3}{5}$**

2. There are 20 apples in a basket and you want to distribute them equally among 30 students. What fraction of an apple will each student receive? Simplify the fraction.

**2.  $\frac{2}{3}$**

3. A bag contains 18 marbles and you want to share them equally among 36 children. What fraction of a marble will each child receive? Simplify the fraction.

**3.  $\frac{1}{2}$**

4. A recipe requires 10 cups of milk, but you only have 15 cups. What fraction of the recipe can you make with the available milk? Simplify the fraction.

**4.  $\frac{2}{3}$**

5. There are 24 pencils in a box and you want to distribute them equally among 48 students. What fraction of a pencil will each student receive? Simplify the fraction.

**5.  $\frac{1}{2}$**

6. A group of friends shared 30 cookies equally among 50 people. What fraction of a cookie did each person receive? Simplify the fraction.

**6.  $\frac{3}{5}$**

7. A jar contains 16 blue marbles and a total of 24 marbles. What fraction of the marbles are blue? Simplify the fraction.

**7.  $\frac{2}{3}$**

8. A cake recipe calls for 12 ounces of sugar, but you only have 18 ounces. What fraction of the recipe can you make with the available sugar? Simplify the fraction.

**8.  $\frac{2}{3}$**

9. There are 28 books on a shelf and you want to divide them equally among 56 students. What fraction of a book will each student receive? Simplify the fraction.

**9.  $\frac{1}{2}$**

10. A group of friends shared 8 bags of chips equally among 12 people. What fraction of a bag of chips did each person receive? Simplify the fraction.

**10.  $\frac{2}{3}$**